

California High-Speed Train Project



Los Angeles to Orange County Project-Level EIR/EIS

ALIGNMENT AND
STATION DRAWINGS
– DRAFT

Prepared by: Andrew Sokol, PE

Checked by: Tony Venturato, PE



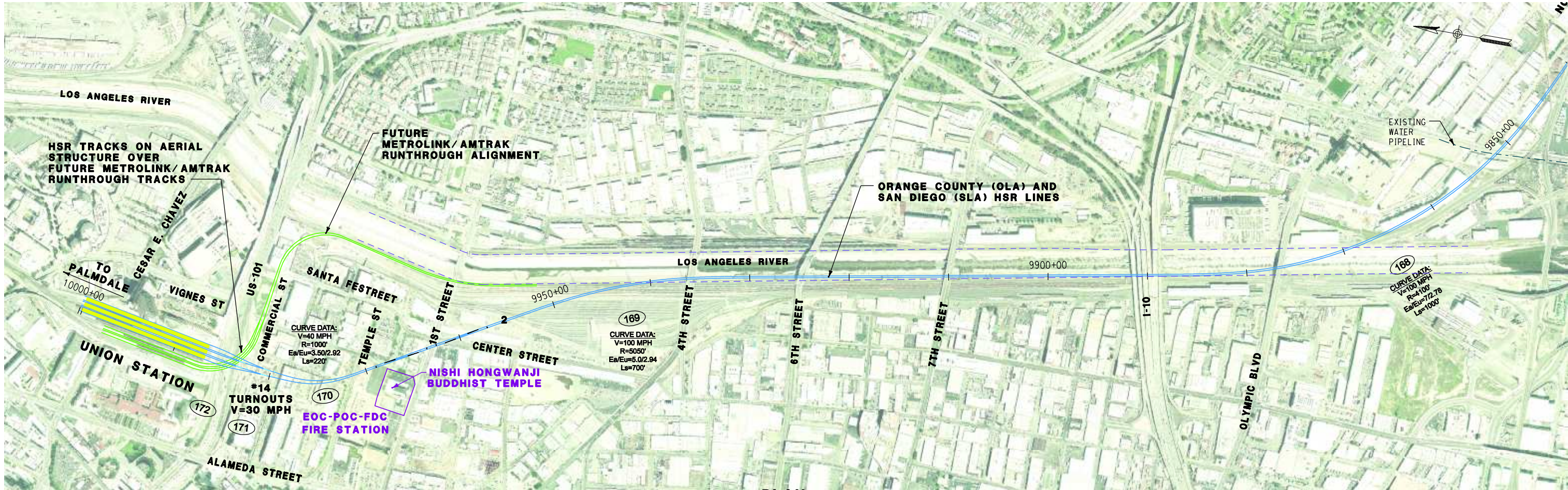
Approved by: _____
XXX Date

Released by: _____
XXX Date

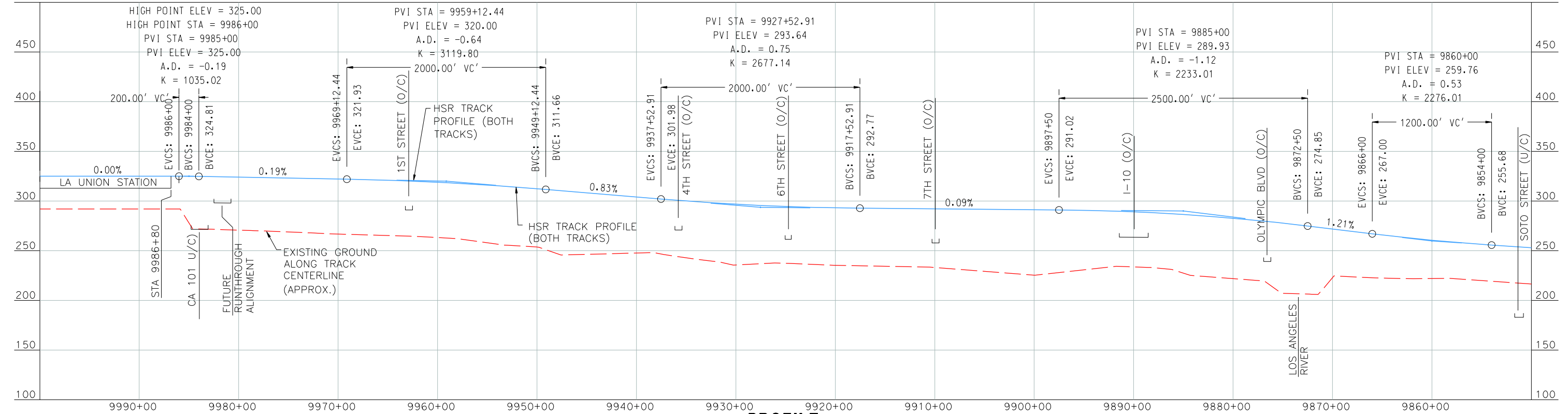
Revision	Date	Description
0	06/29/07	Released for Client Review

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PLAN



PROFILE

500

0

500

1000

HOR. 1"=500'

50

0

50

100

VER. 1"=50'

RESERVED

DRAWN BY
J. MARTINEZ


CHECKED BY
A. SOKOL

IN CHARGE
T. VENTURATO

DATE
06-12-07

STV Incorporated

RESERVED



CALIFORNIA HIGH SPEED RAIL AUTHORITY

FLY CALIFORNIA

Without ever leaving the ground.

CALIFORNIA HIGH SPEED TRAIN PROJECT

LOS ANGELES TO ORANGE COUNTY

TRACK ALIGNMENTS

PLAN AND PROFILE - 1

AGREEMENT NO.
C-0-0000

DRAWING NO.
TP-001

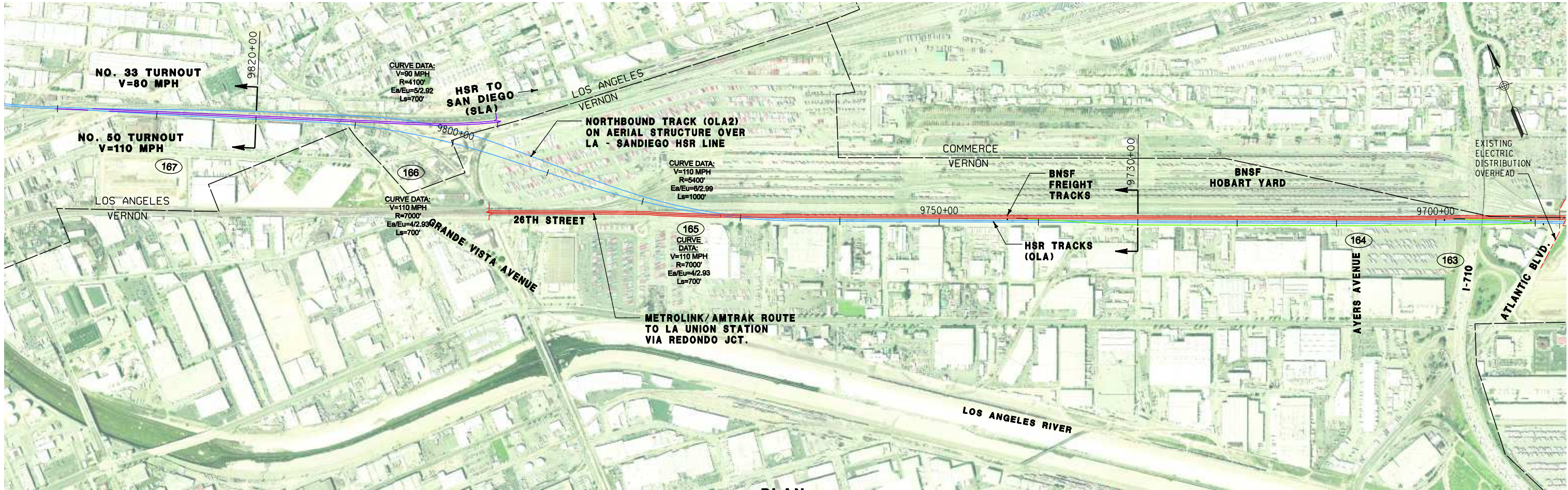
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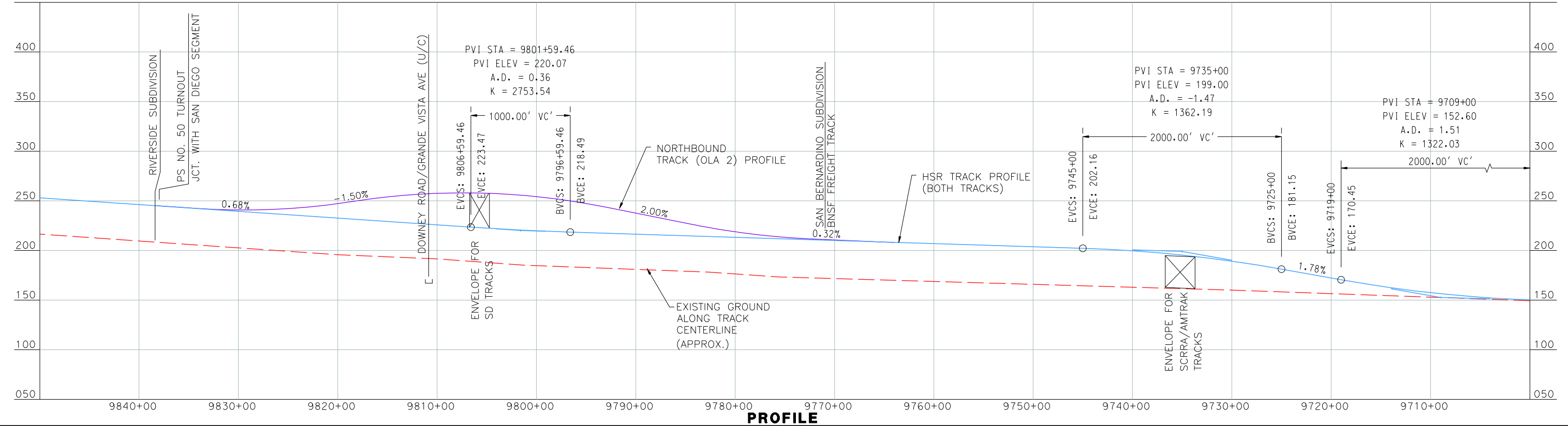
SEE SHEET 2

SEE SHEET 1



SEE SHEET 3

PLAN

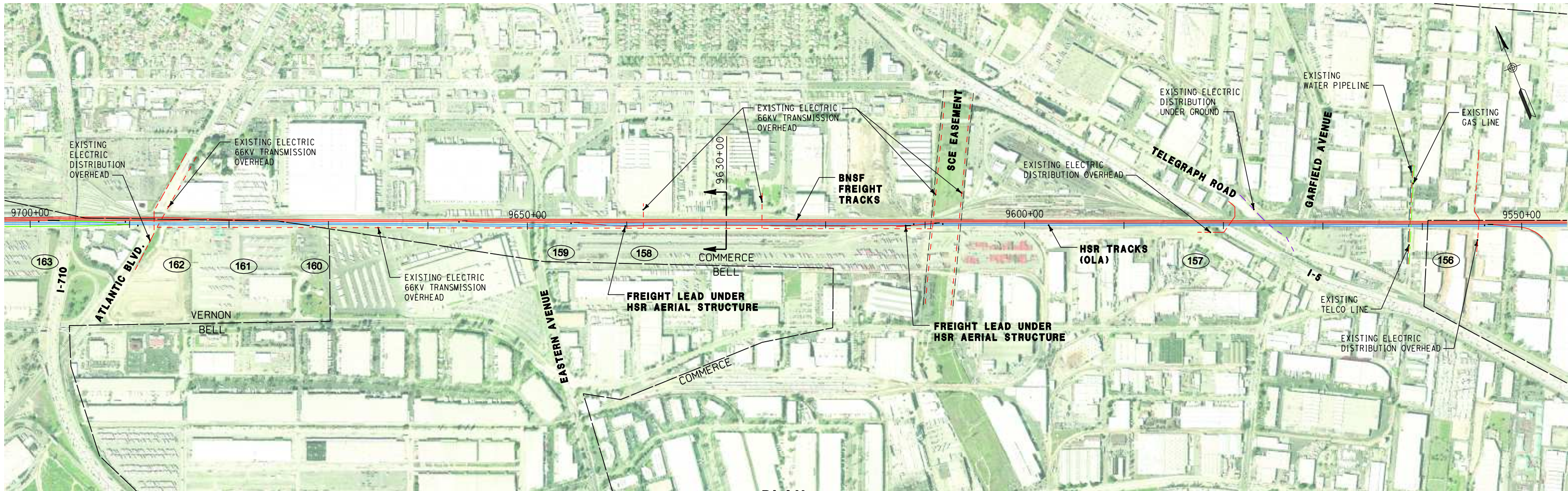


PROFILE

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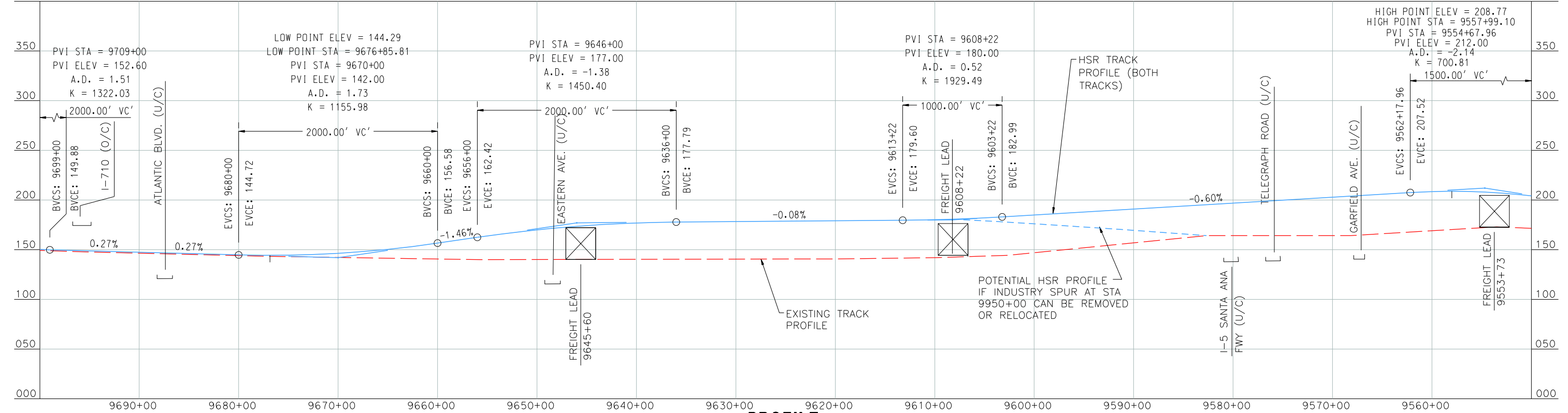
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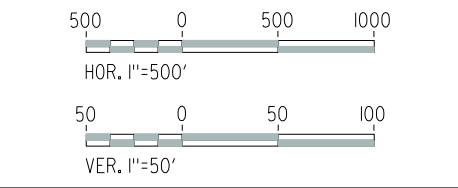


SEE SHEET 4

PLAN



PROFILE



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J. MARTINEZ
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T. VENTURATO
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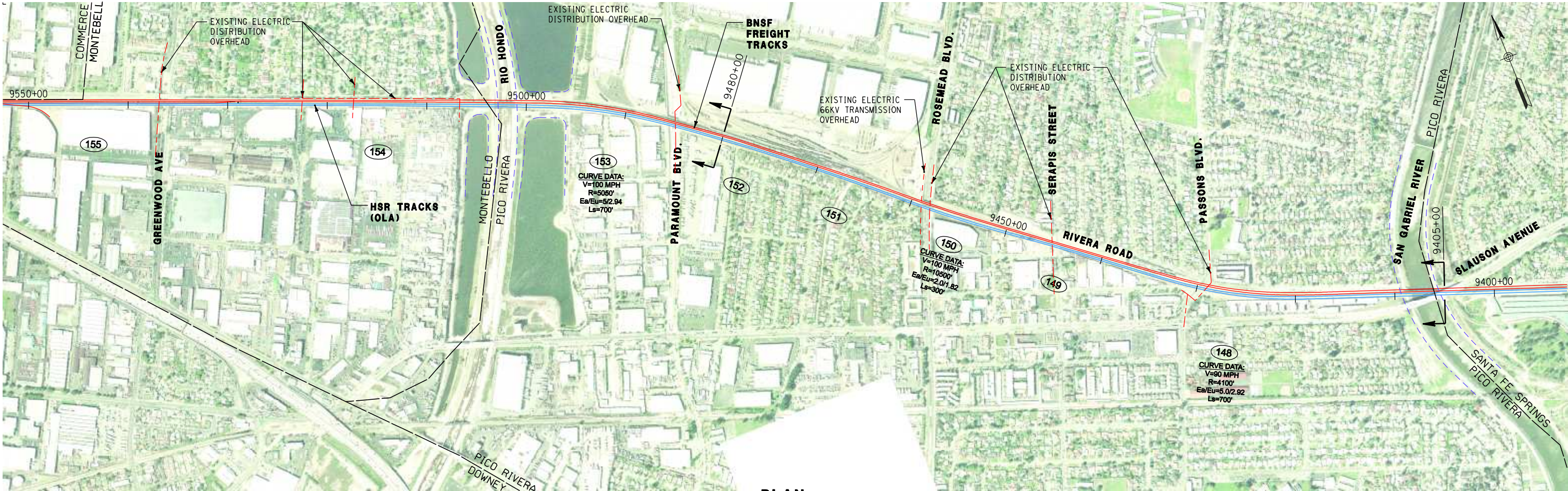
CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY
TRACK ALIGNMENTS

PLAN AND PROFILE - 3

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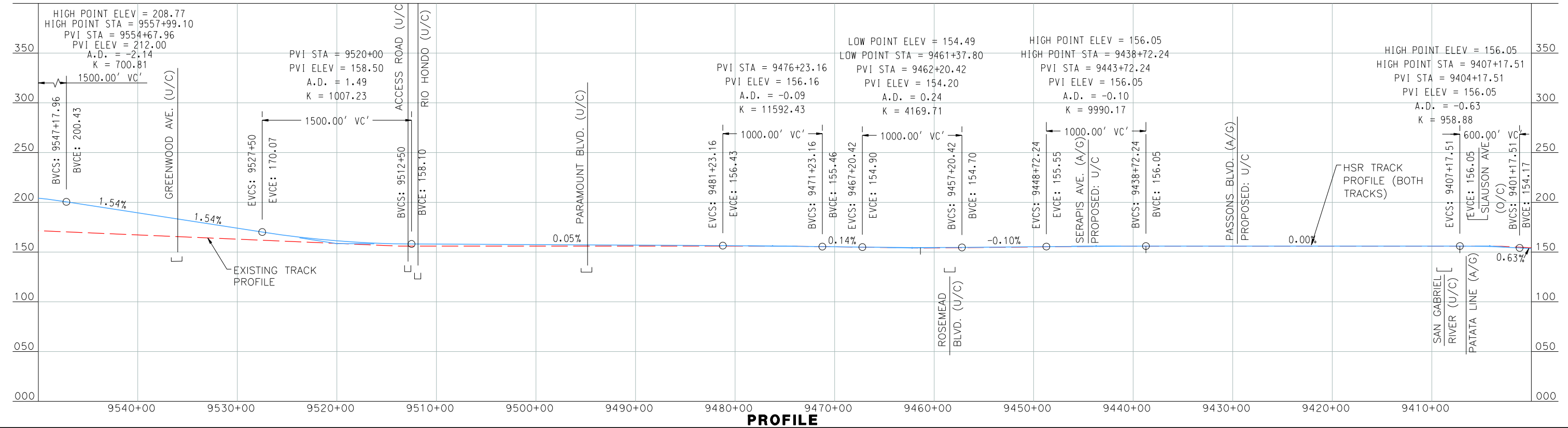
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SEE SHEET 3



PLAN

SEE SHEET 5

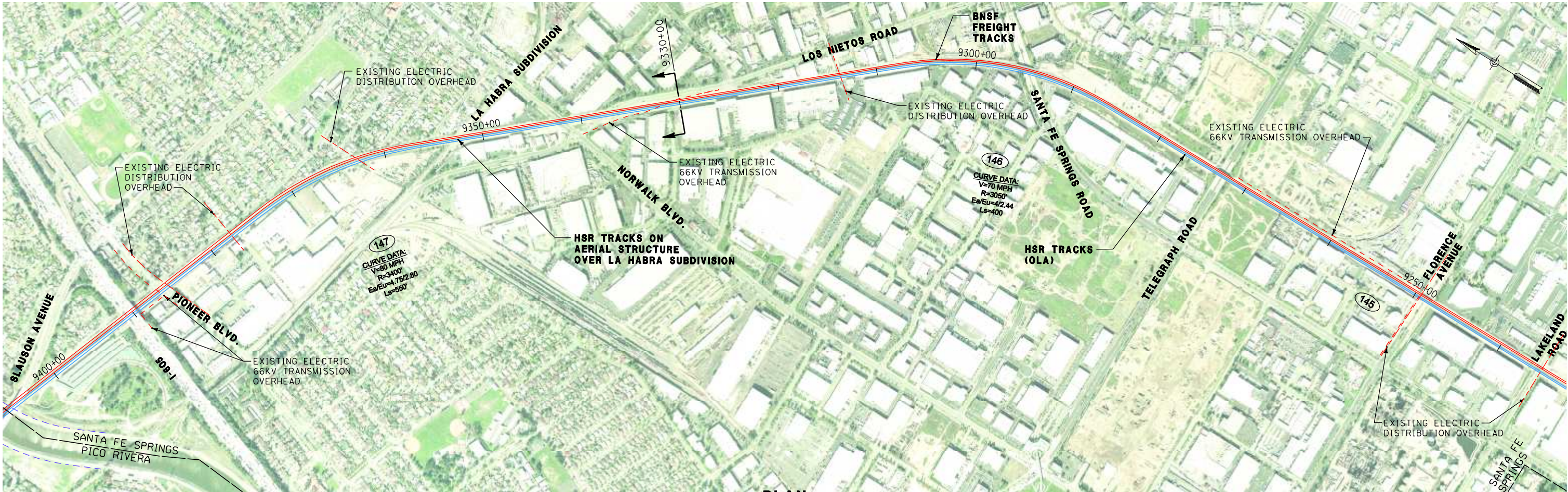


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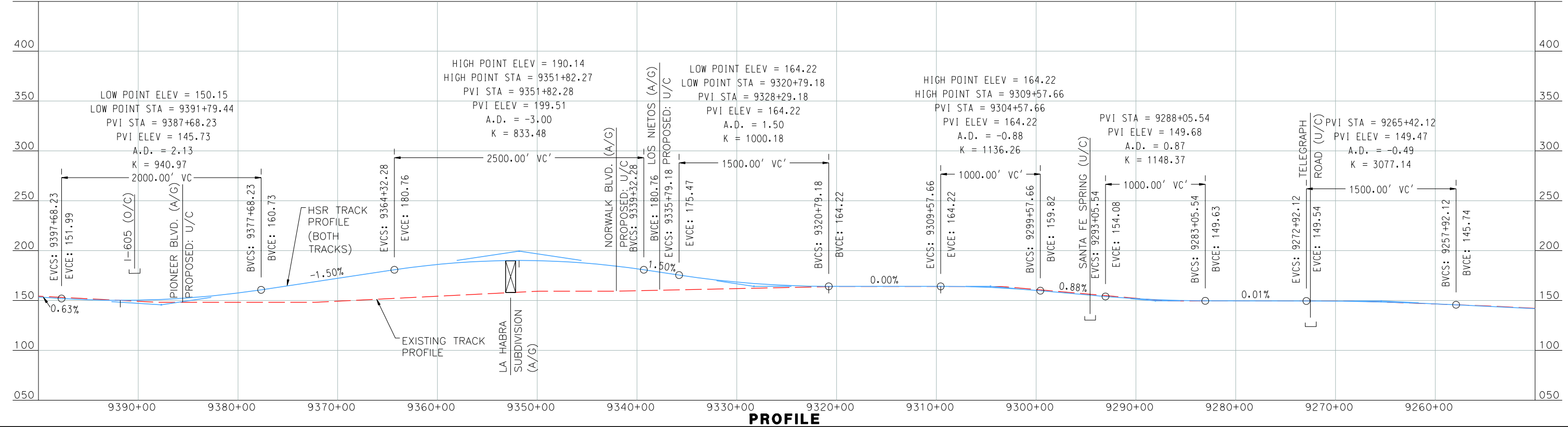
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SEE SHEET 4



SEE SHEET 6

PLAN

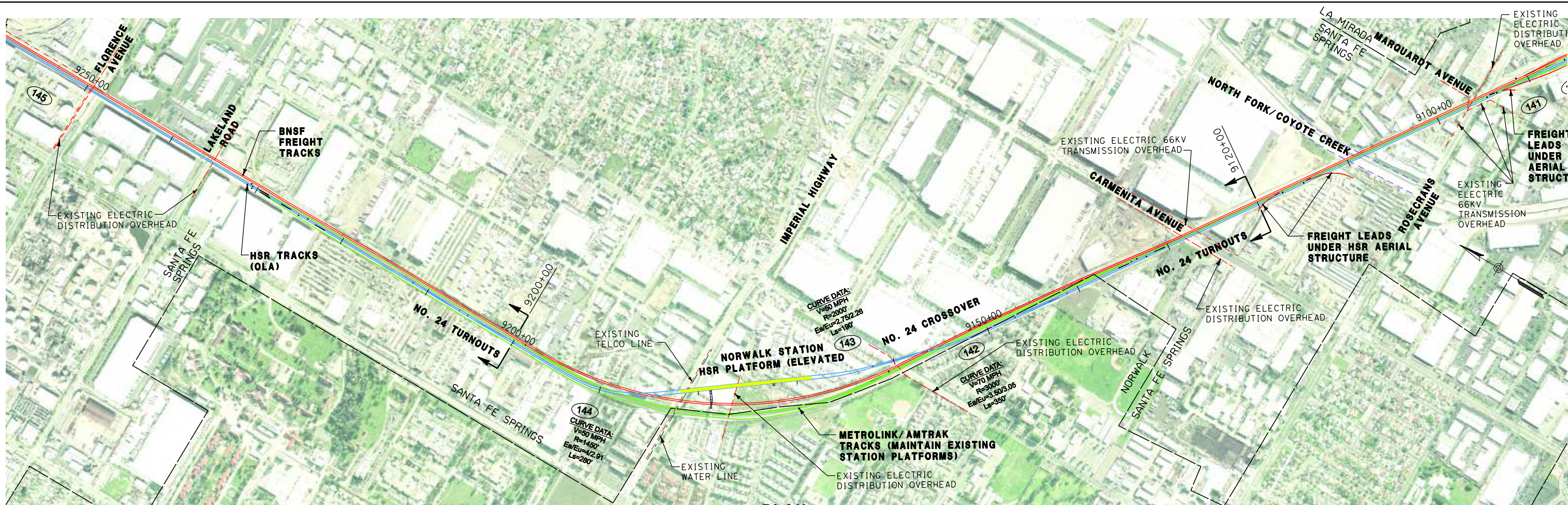


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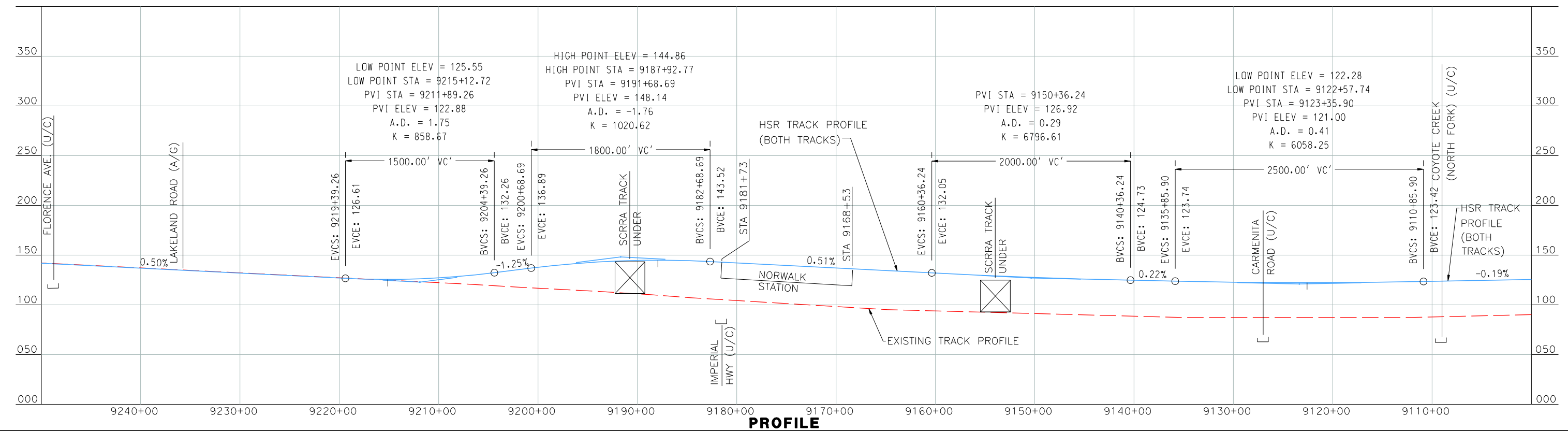
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SEE SHEET 5



SEE SHEET 7

PLAN

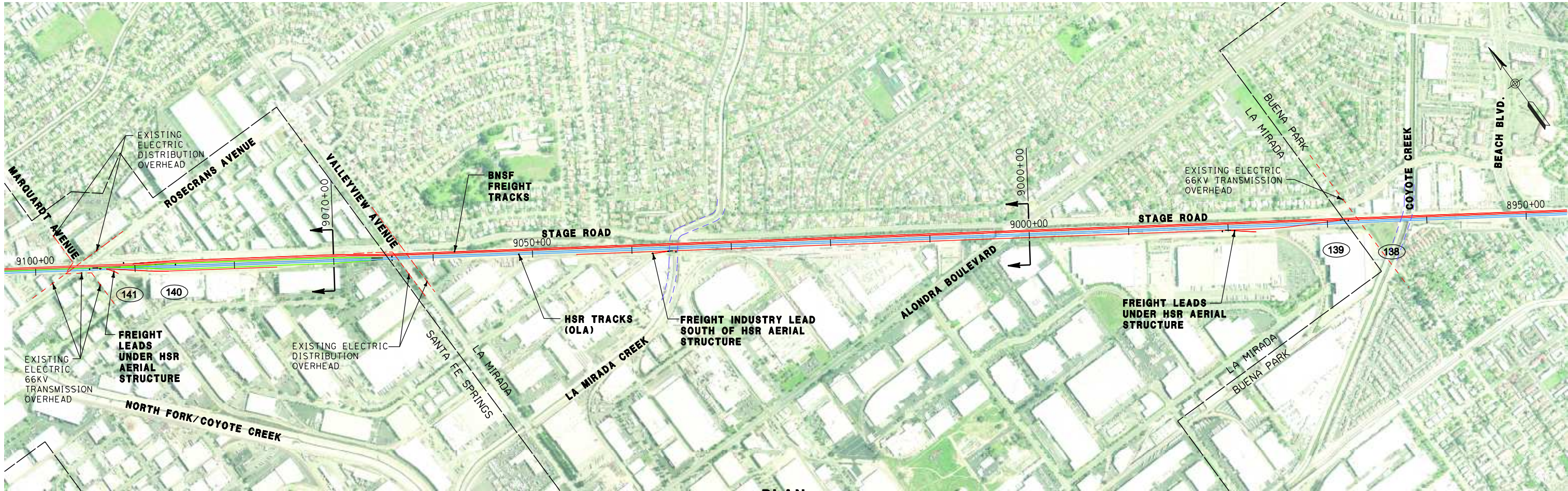


PROFILE

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		Date 06-12-07					Sheet No.

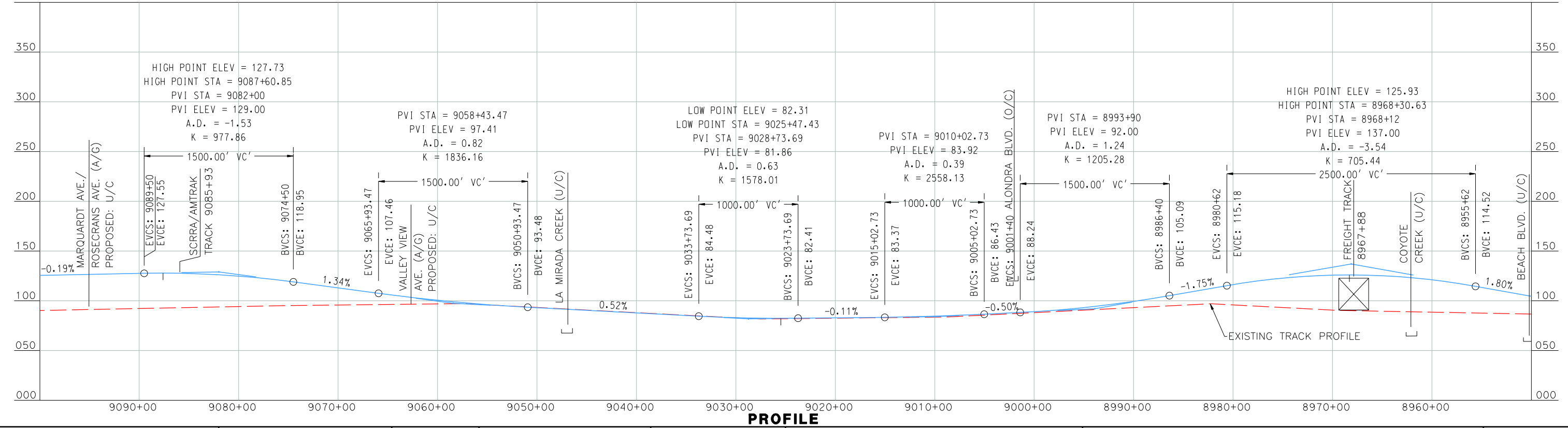
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SEE SHEET 6



SEE SHEET 8

PLAN

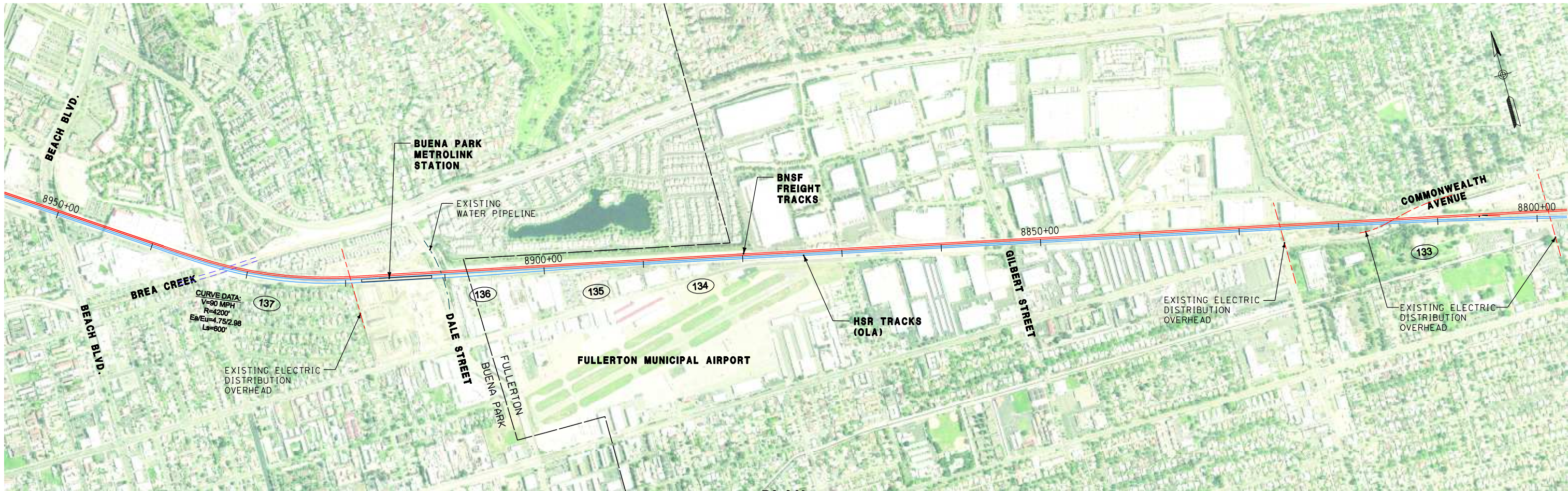


PROFILE

 HOR. 1"=500'	RESERVED	DRAWN BY J. MARTINEZ		RESERVED		CALIFORNIA HIGH SPEED TRAIN PROJECT LOS ANGELES TO ORANGE COUNTY TRACK ALIGNMENTS	AGREEMENT NO. C-0-0000
		CHECKED BY A. SOKOL					DRAWING NO. TP-007
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		DATE 06-12-07				PLAN AND PROFILE - 7	SHEET NO.

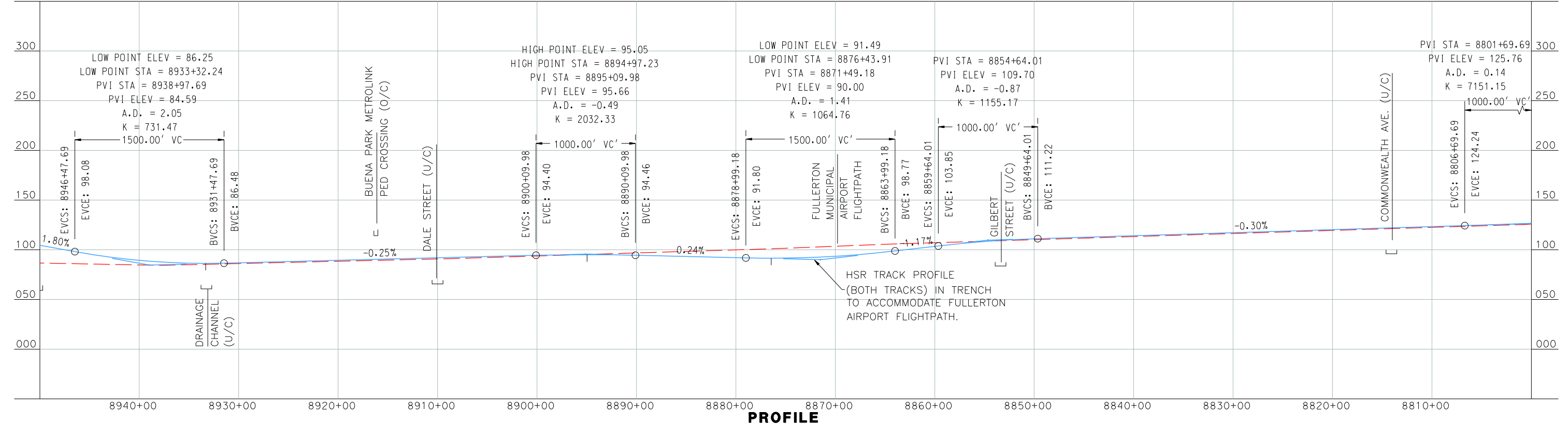
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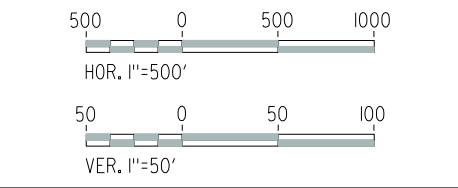


SEE SHEET 9

PLAN



PROFILE



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J. MARTINEZ

CHECKED BY
A. SOKOL

IN CHARGE
T. VENTURATO

DATE
06-12-07

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CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY
TRACK ALIGNMENTS

PLAN AND PROFILE - 8

AGREEMENT NO.
C-0-0000

DRAWING NO.
TP-008

SCALE
AS SHOWN

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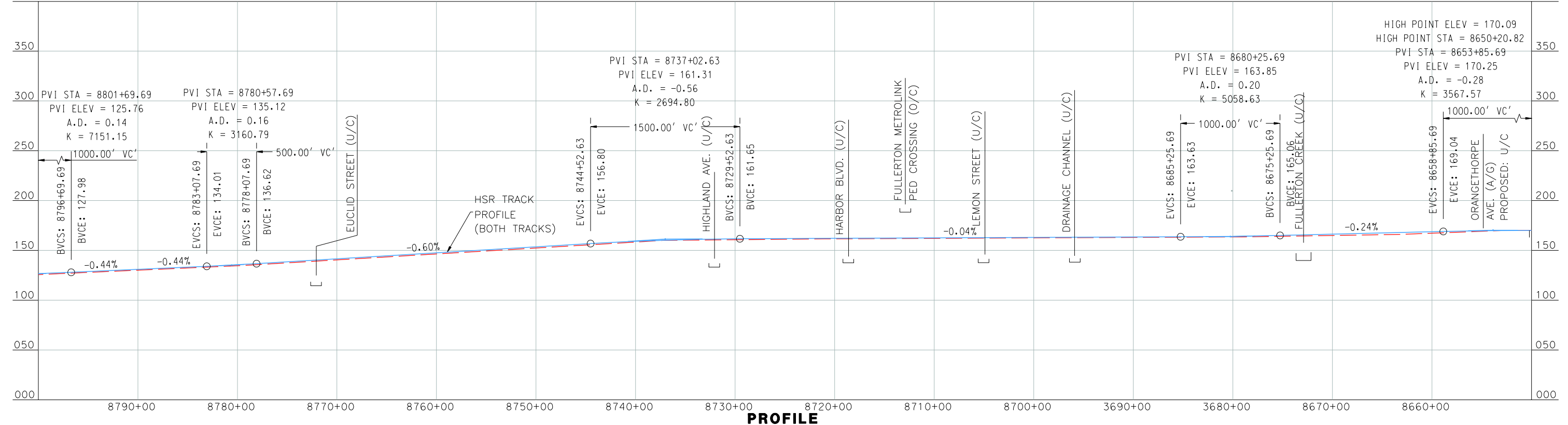
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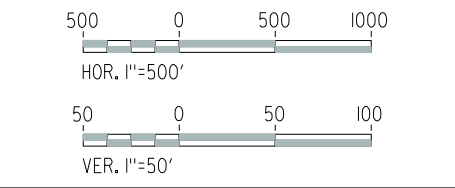


SEE SHEET 10

PLAN



PROFILE



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A. SOKOL
IN CHARGE
T. VENTURATO
DATE
06-12-07



RESERVED



CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY
TRACK ALIGNMENTS

PLAN AND PROFILE - 9

AGREEMENT NO.
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DRAWING NO.
TP-009
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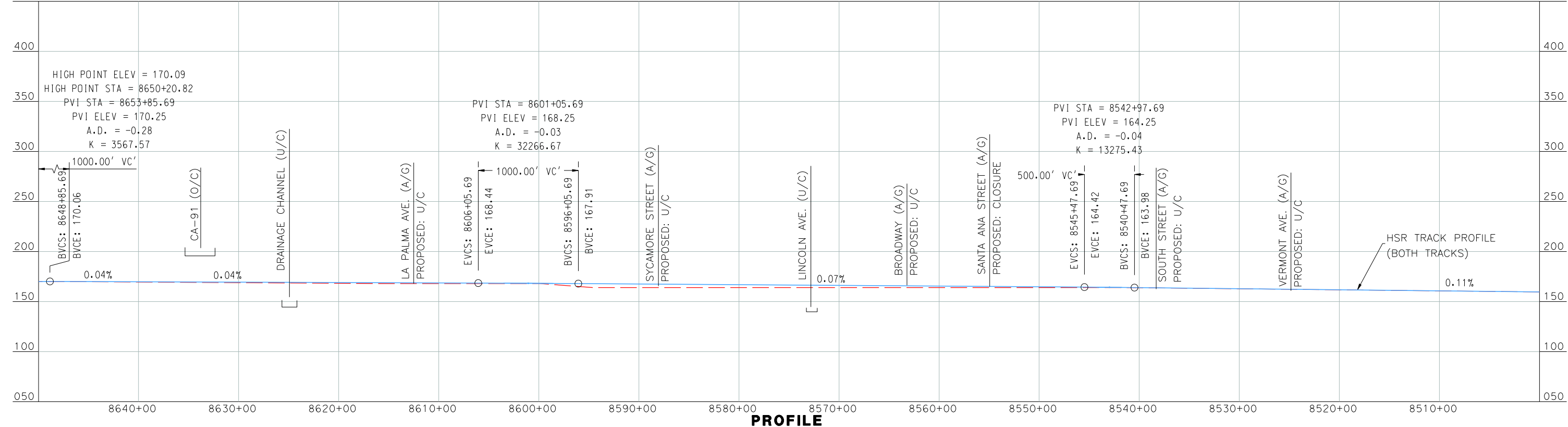
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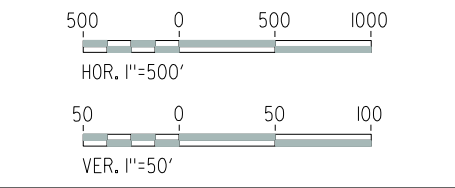


SEE SHEET 11

PLAN



PROFILE



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J. MARTINEZ
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A. SOKOL
IN CHARGE
T. VENTURATO
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06-12-07

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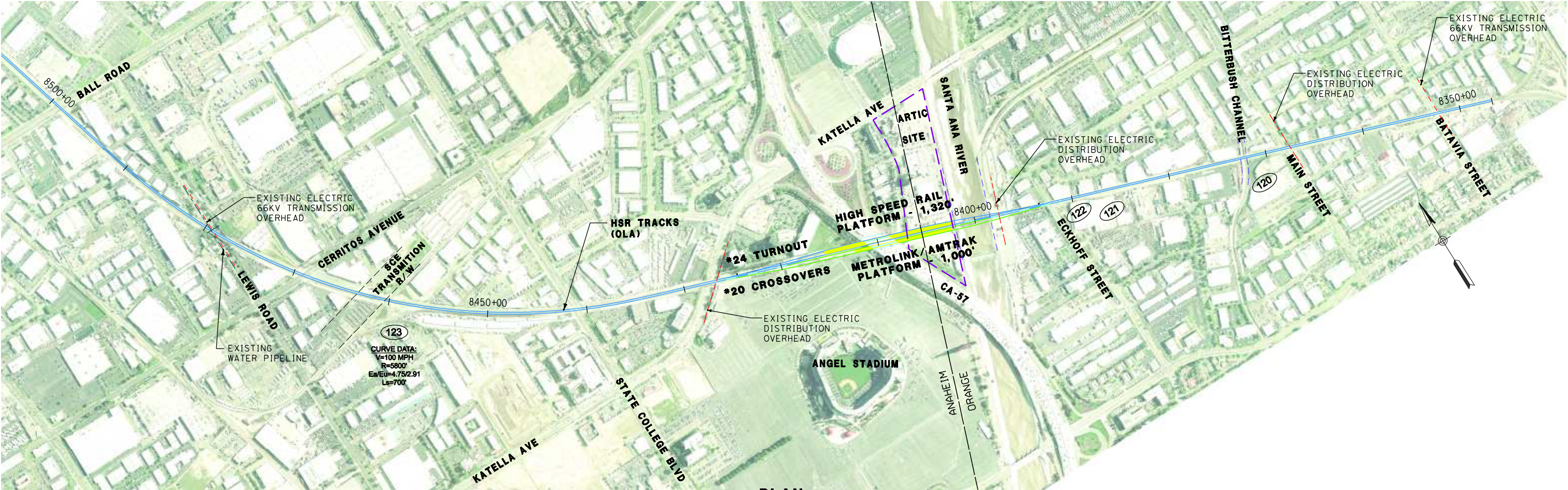


CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY
TRACK ALIGNMENTS

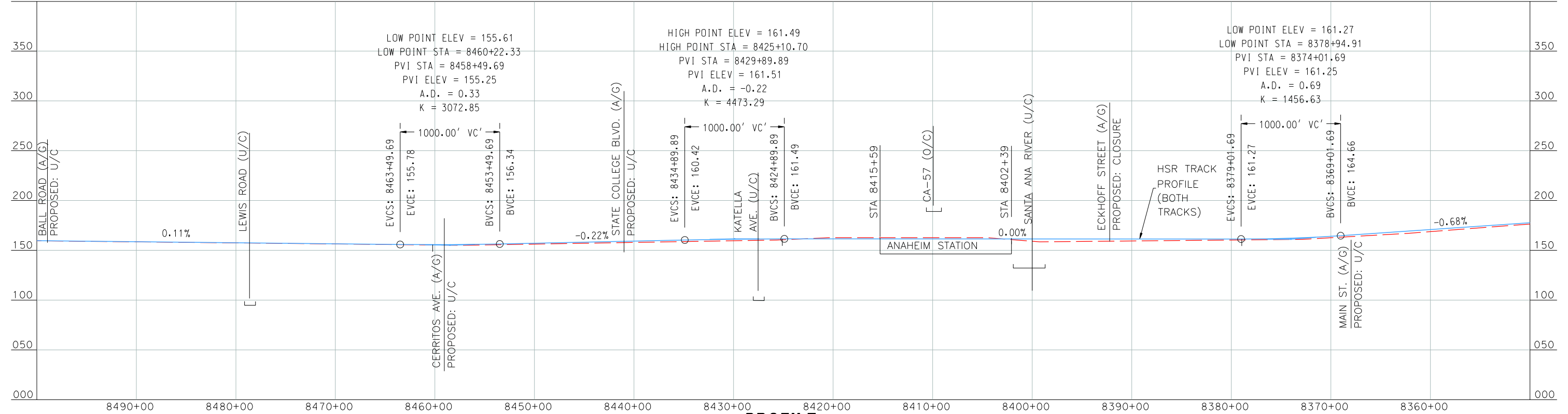
PLAN AND PROFILE - 10

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SEE SHEET 10



PLAN



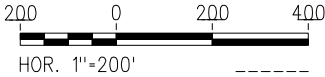
PROFILE

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		In Charge T. Venturato					Scale AS SHOWN
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\$\$\$\$\$USER\$\$\$\$\$ \$\$\$\$\$SYTIME\$\$\$\$\$

TRACK ALIGNMENT CURVE DATA SUMMARY TABLE – SOUTHBOUND TRACK (OLA1)

CURVE	DESIGN SPEED (V) (MPH)	RADIUS (R) (FT)	ACTUAL SUPERELEVATION (Ea) (IN)	UNBALANCED SUPERELEVATION (Eu) (IN)	SPIRAL LENGTH (Ls) (FT)	BEGIN STATION	END STATION
120	100	25000	0.5	1.1040	0	8370+40.90	8371+18.84
121	100	25000	0.5	1.1040	0	8371+18.84	8385+96.38
122	100	25000	0.5	1.1040	0	8389+14.43	8390+32.34
123	100	5800	4.75	2.1638	700	8430+95.78	8494+14.52
124	100	25000	0.5	1.1040	0	8574+41.11	8575+69.10
125	100	25000	0.5	1.1040	0	8595+15.44	8596+50.39
126	100	6500	4	2.1692	700	8612+35.49	8635+88.33
127	60	1920	4.75	2.7688	400	8667+38.57	8699+97.51
128	100	25000	0.5	1.1040	0	8718+58.88	8724+47.59
129	100	25000	0.5	1.1040	0	8726+72.85	8732+61.56
130	100	25000	0.5	1.1040	0	8741+14.57	8746+30.69
131	100	25000	0.5	1.1040	0	8752+60.83	8757+76.95
132	100	5800	4	2.9138	700	8775+61.99	8797+57.12
133	100	25000	0.5	1.1040	0	8808+01.28	8814+55.78
134	100	25000	0.5	1.1040	0	8884+11.33	8885+07.32
135	100	25000	0.5	1.1040	0	8892+66.55	8896+46.54
136	100	25000	0.5	1.1040	0	8904+83.75	8908+63.73
137	90	5800	4	1.6002	700	8916+19.45	8938+30.21
138	100	25000	0.5	1.1040	0	8962+30.79	8964+75.91
139	100	25000	0.5	1.1040	0	8967+91.76	8970+36.88
140	100	25000	0.5	1.1040	0	9085+13.11	9086+74.37
141	100	25000	0.5	1.1040	0	9089+78.19	9091+39.45
142	70	3000	3.5	3.0497	350	9148+14.59	9156+44.45
143	50	2000	2.75	2.2625	190	9162+76.99	9168+06.63
144	50	1450	4	2.9138	280	9182+75.51	9194+90.93
145	100	25000	0.5	1.1040	0	9252+78.24	9254+20.83
146	70	3050	4	2.4423	400	9283+85.48	9309+57.19
147	80	3400	4.75	2.7982	550	9354+13.13	9376+63.97
148	90	4100	5	2.9222	700	9414+78.39	9436+16.18
149	100	25000	0.5	1.1040	0	9440+86.16	9447+53.03
150	100	10500	2	1.8190	300	9449+30.33	9460+97.89
151	100	25000	0.5	1.1040	0	9462+50.18	9471+26.75
152	100	15000	1	1.6733	300	9472+72.49	9481+21.67
153	100	5050	5	2.9406	700	9481+39.45	9501+93.80
154	100	25000	0.5	1.1040	0	9513+31.53	9515+24.81
155	100	25000	0.5	1.1040	0	9542+21.13	9544+45.05
156	100	25000	0.5	1.1040	0	9544+45.05	9556+70.32
157	100	25000	0.5	1.1040	0	9582+67.24	9583+36.62
158	100	25000	0.5	1.1040	0	9634+43.12	9640+89.47
159	100	25000	0.5	1.1040	0	9642+06.07	9650+20.02
160	100	25000	0.5	1.1040	0	9670+66.15	9671+93.14
161	100	25000	0.5	1.1040	0	9676+74.27	9679+85.04
162	100	25000	0.5	1.1040	0	9683+13.68	9687+20.88
163	100	25000	0.5	1.1040	0	9695+65.21	9700+63.77
164	100	25000	0.5	1.1040	0	9705+39.40	9709+59.05
165	110	7000	4	2.9316	700	9760+12.63	9789+25.93
166	110	7000	4	2.9316	700	9791+77.69	9818+13.47
167	100	25000	0.5	1.1040	0	9825+58.16	9830+58.12
168	100	4100	7	2.7805	1000	9839+21.86	9878+71.93
169	100	5050	5	2.9406	700	9930+40.86	9954+42.68
170	40	1000	3.5	2.9160	220	9971+01.48	9978+93.70
171	30	4300	0	0.8393	0	9981+24.13	9982+52.08
172	30	1200	1.5	1.5075	140	9983+16.90	9986+63.97



RESERVED

DRAWN BY
A. SOKOL
CHECKED BY
A. SOKOL
IN CHARGE
T. VENTURATO
DATE
6-20-07



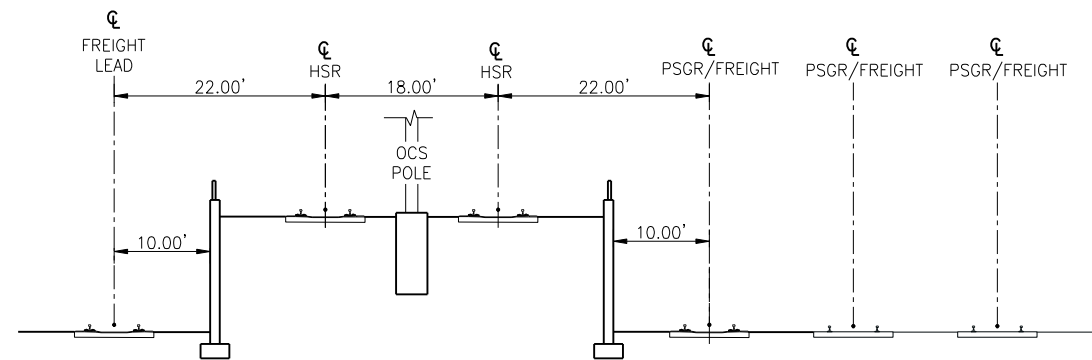
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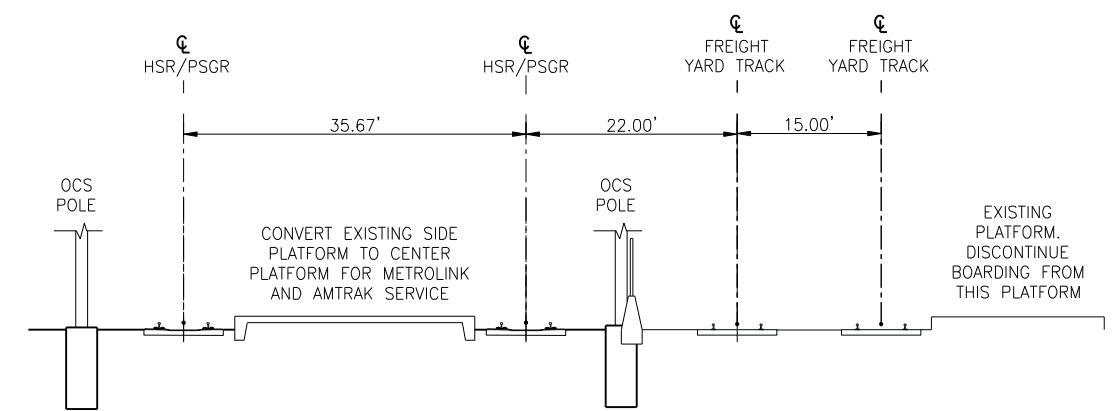
CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY

TRACK ALIGNMENT CURVE DATA SUMMARY TABLE

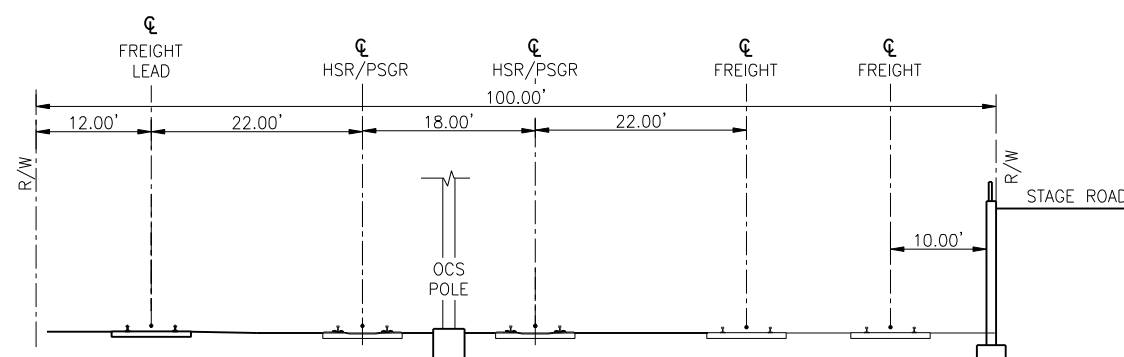
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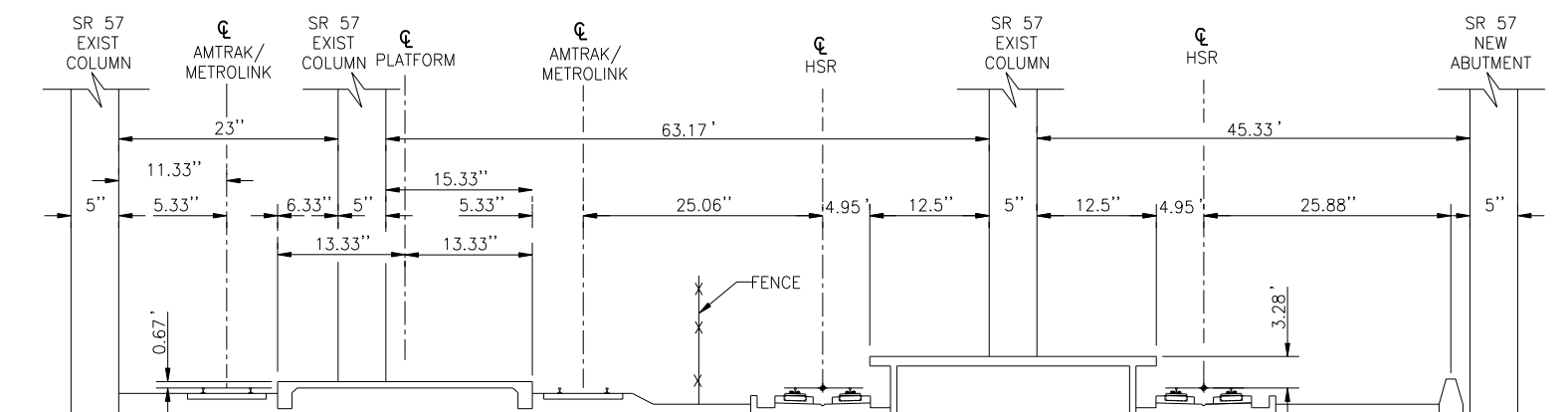
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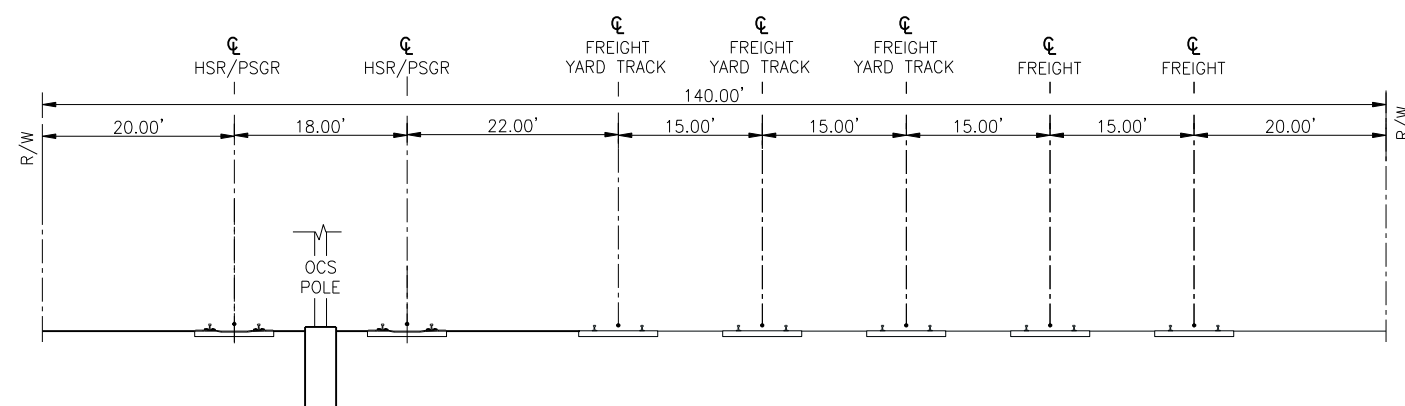
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FULLERTON STATION



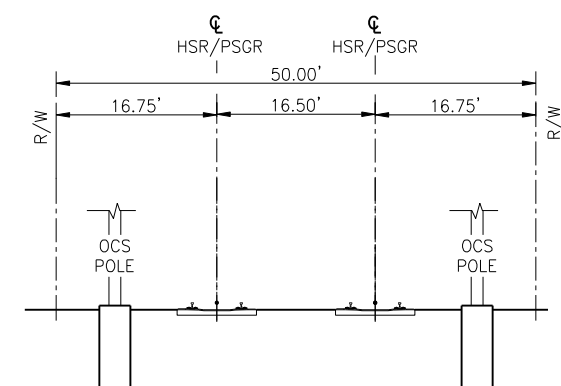
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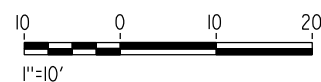
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ANAHEIM/ARTIC STATION



STA 8790+00



STA 8550+00



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J. MARTINEZ
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A. SOKOL
IN CHARGE
T. VENTURATO
DATE
06-12-07



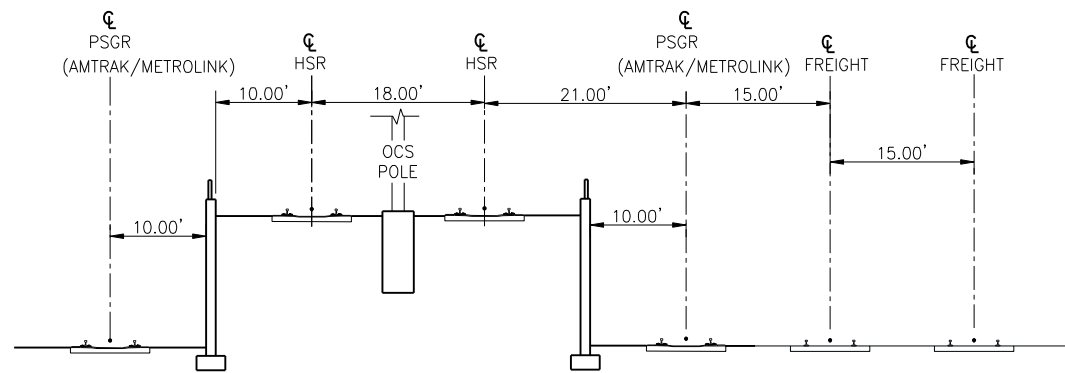
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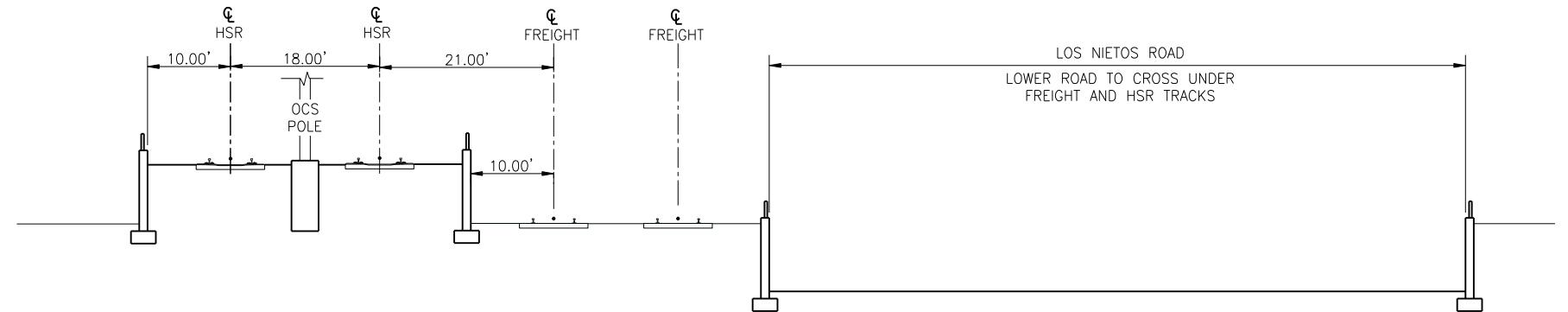
CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY

TYPICAL SECTIONS 1

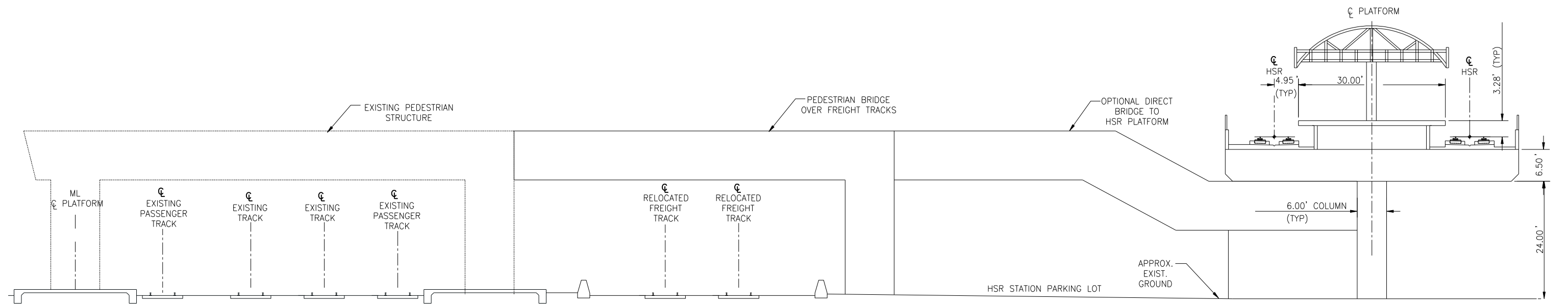
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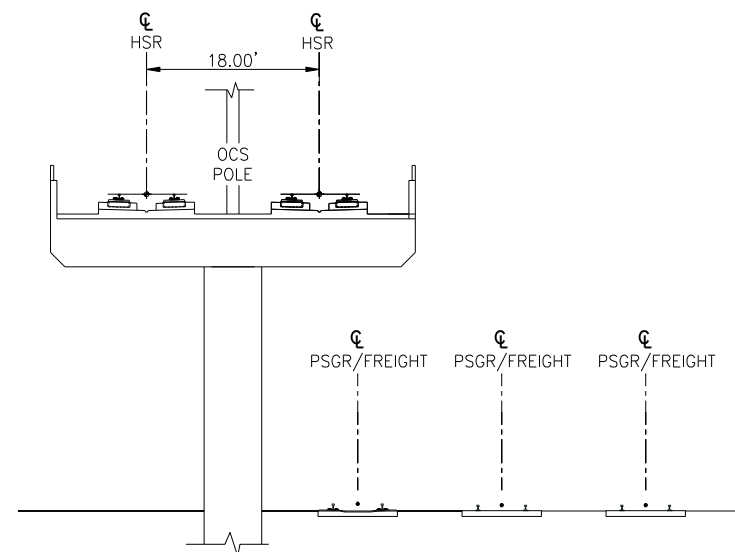
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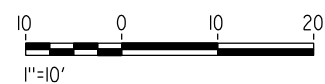
STA 9330+00



STA 9178+00
NORWALK STATION



STA 9120+00



RESERVED

DRAWN BY
J. MARTINEZ
CHECKED BY
A. SOKOL
IN CHARGE
T. VENTURATO
DATE
06-12-07



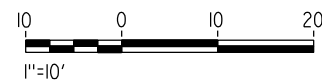
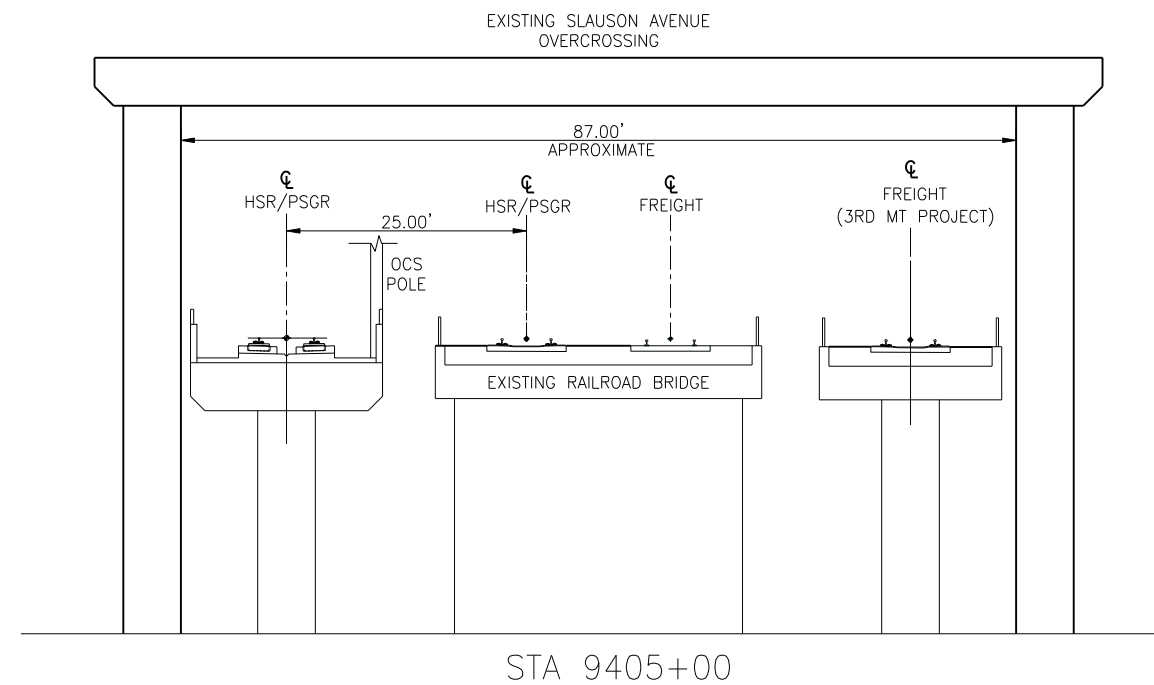
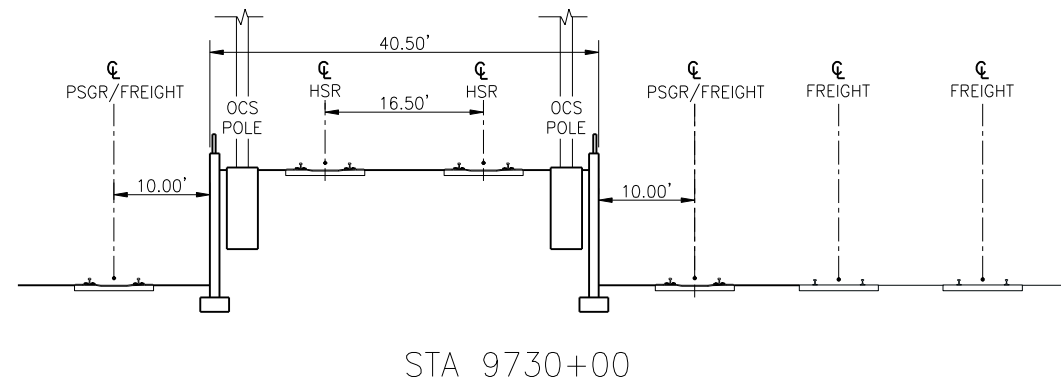
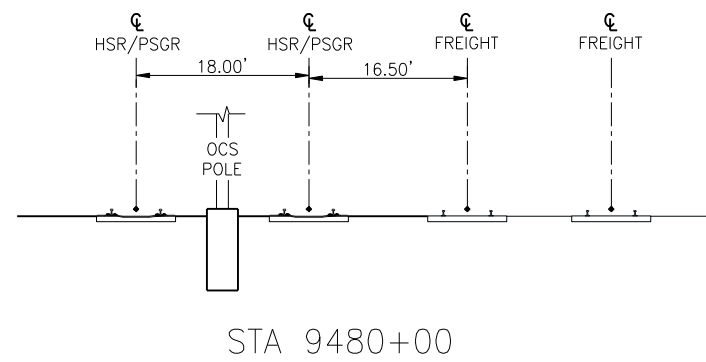
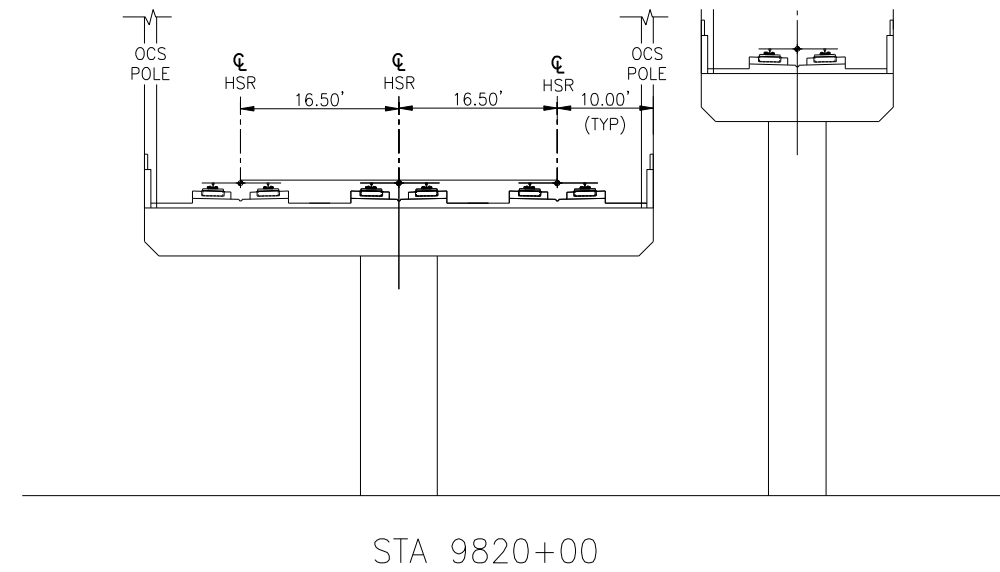
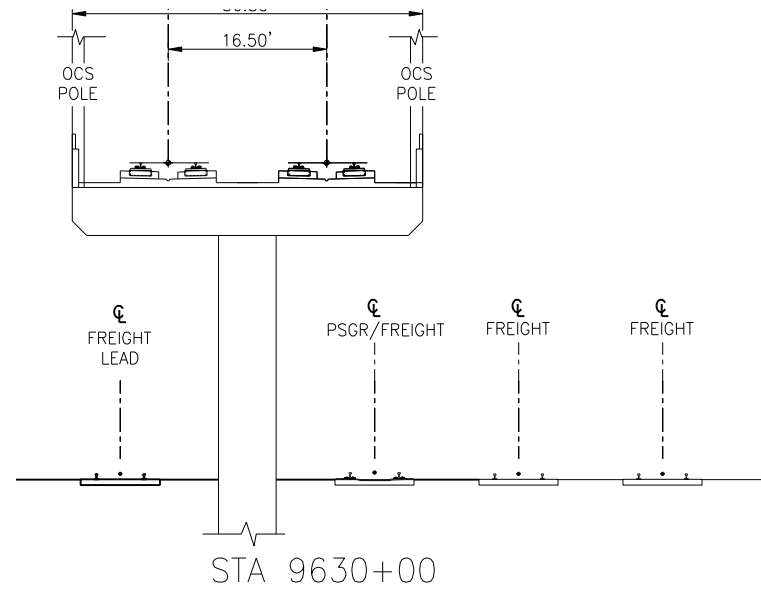
RESERVED



**CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY**

TYPICAL SECTIONS 2

AGREEMENT NO.
C-0-0000
DRAWING NO.
RS-502
SCALE
1" = 10'
SHEET NO.



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T. VENTURATO
DATE
06-12-07



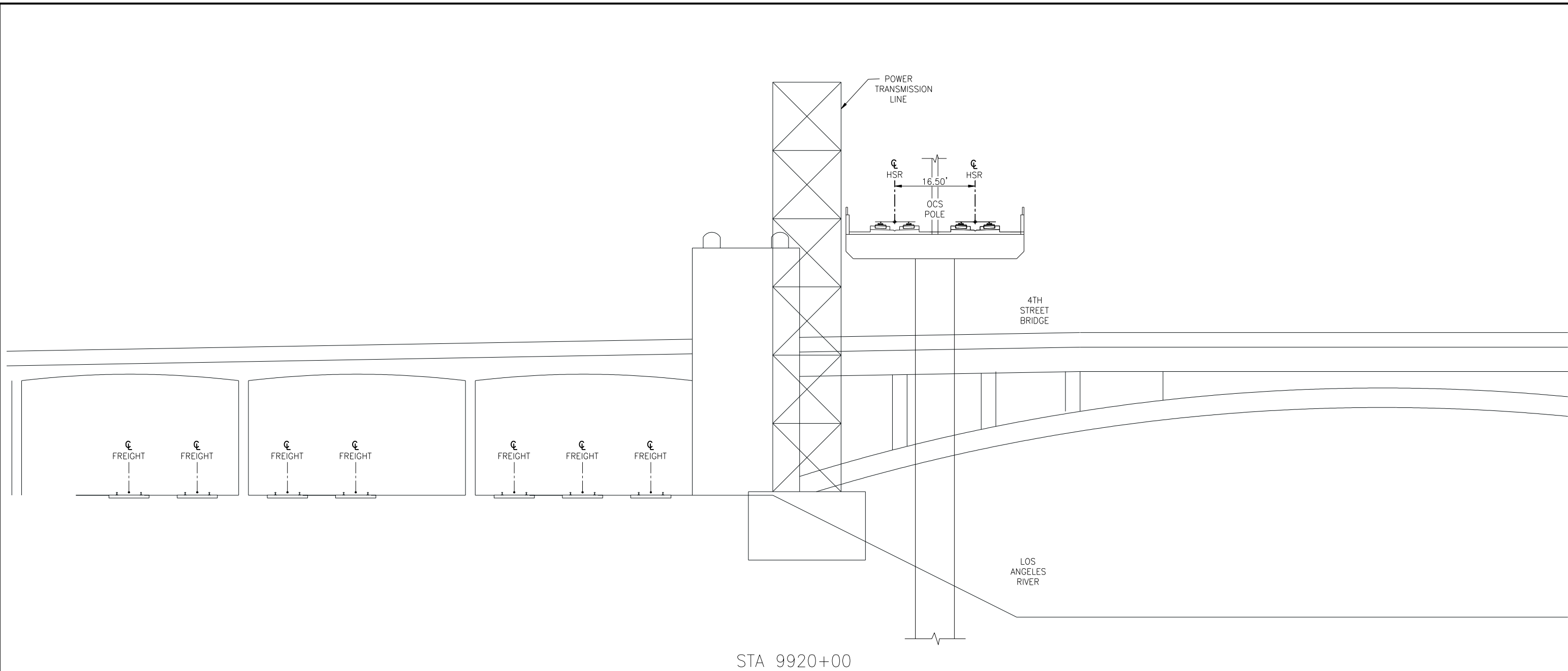
RESERVED



CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY

TYPICAL SECTIONS 3

AGREEMENT NO.
C-0-0000
DRAWING NO.
RS-503
SCALE
1" = 10'
SHEET NO.



RESERVED

DRAWN BY
J. MARTINEZ
CHECKED BY
A. SOKOL
IN CHARGE
T. VENTURATO
DATE
06-12-07



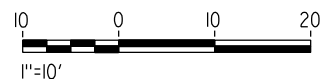
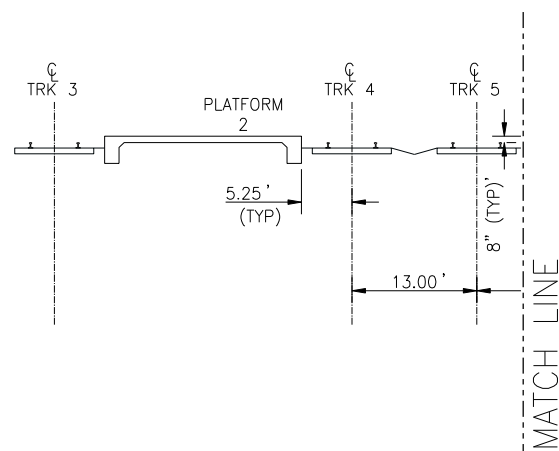
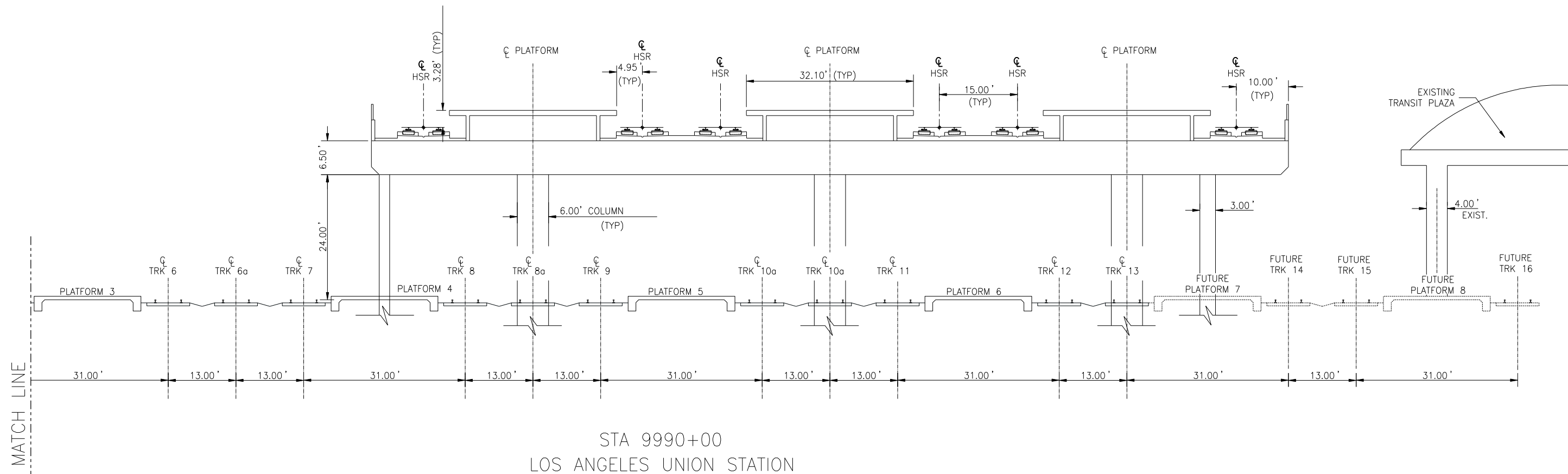
RESERVED



**CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY**

TYPICAL SECTIONS 4

AGREEMENT NO.
C-0-0000
DRAWING NO.
RS-504
SCALE
1" = 10'
SHEET NO.



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T. VENTURATO
DATE
06-12-07



RESERVED



CALIFORNIA HIGH SPEED TRAIN PROJECT
LOS ANGELES TO ORANGE COUNTY

TYPICAL SECTIONS 5

AGREEMENT NO.
C-0-0000
DRAWING NO.
RS-505
SCALE
1" = 10'
SHEET NO.